

ATKINS1(BLAJ)\_ST25.txt  
SEQUENCE LISTING

<110> Johnson & Johnson Pty Ltd  
Unisearch Limited

<120> CATALYTIC MOLECULES

<130> ATKINS1

<140> 09/889,075

<141> 2002-09-09

<150> PCT/AU00/00011

<151> 2000-01-11

<150> PQ8103

<151> 1999-01-11

<160> 23

<170> PatentIn version 3.4

<210> 1

<211> 3132

<212> DNA

<213> Homo sapiens

<400> 1

ccgcagaact	tggggagccg	ccggccat	ccgcccgc	agccagcttc	cggccgcga	60
ggaccggccc	ctgccccagc	ctccgcagcc	gcggcgcg	cacgcccgc	cgcgcccagg	120
gcgagtcggg	gtcgccgcct	gcacgcttct	cagtgttccc	cgcgccccgc	atgttaacccg	180
gccaggcccc	cgcaacggtg	tccctgcag	ctccagcccc	gggctgcacc	cccccgcccc	240
gacaccagct	ctccagcctg	ctcgtccagg	atggccgcgg	ccaaggccga	gatgcagctg	300
atgtccccgc	tgcagatctc	tgacccgttc	ggatcctttc	ctcaactcgcc	caccatggac	360
aactacccta	agctggagga	gatgatgctg	ctgagcaacg	gggctccca	gttcctcggc	420
gccgccccgg	ccccagaggg	cagcggcagc	aacagcagca	gcagcagcag	cggggcggt	480
ggaggcggcg	ggggcggcag	caacagcagc	agcagcagca	gcaccttcaa	ccctcaggcg	540
gacacggcg	agcagcccta	cgagcacctg	accgcagagt	ctttcctga	catctcttg	600
aacaacgaga	aggtgcttgt	ggagaccagt	tacccagcc	aaaccactcg	actgcccccc	660
atcacctata	ctggccgtt	ttccctggag	cctgcaccca	acagtggcaa	cacttgtgg	720
cccgagcccc	tcttcagctt	ggtcagtggc	ctagttagca	tgaccaaccc	accggcctcc	780
tcgtcctcag	caccatctcc	agcggcctcc	tccgcctccg	cctcccagag	cccacccctg	840
agctgcgcag	tgccatccaa	cgacagcagt	cccatttact	cagcggcacc	cacccccc	900
acgccaaca	ctgacatttt	ccctgagcca	caaagccagg	ccttcccggg	ctcggcaggg	960
acagcgctcc	agtacccgcc	tcctgcctac	cctgcccca	agggtggctt	ccaggttccc	1020
atgatccccg	actacctgtt	tccacagcag	cagggggatc	tgggcctggg	cacccagac	1080
cagaagccct	tccagggcct	ggagagccgc	acccagcagc	cttcgctaac	ccctctgtct	1140
actattaagg	ccttgccac	tcagtcggc	tcccaggacc	tgaaggccct	caataccagc	1200

ATKINS1(BLAJ)\_ST25.txt

taccagtccc	agctcatcaa	acccagccgc	atgcgcaagt	atcccaaccg	gcccagcaag	1260
acgccccccc	acgaacgccc	ttacgcttgc	ccagtggagt	cctgtgatcg	ccgcttctcc	1320
cgctccgacg	agctcacccg	ccacatccgc	atccacacag	gccagaagcc	cttccagtgc	1380
cgcatctgca	tgcgcaactt	cagccgcagc	gaccacctca	ccacccacat	ccgcacccac	1440
acaggcgaaa	agcccttcgc	ctgcgacatc	tgtggaagaa	agtttgccag	gagcgatgaa	1500
cgcaagaggc	ataccaagat	ccacttgcgg	cagaaggaca	agaaaggaga	caaaagtgtt	1560
gtggcctctt	cggccaccc	ctctctctct	tcctaccgt	ccccgggtgc	tacctcttac	1620
ccgtccccgg	ttactaccc	ttatccatcc	ccggccacca	cctcataaccc	atcccctgtg	1680
cccacccctt	tctcctctcc	cggctcctcg	acctacccat	cccctgtgca	cagtggcttc	1740
ccctccccgt	cggtgccac	cacgtactcc	tctgttcccc	ctgcttccc	ggcccgaggc	1800
agcagcttcc	cttcctcagc	tgtcaccaac	tccttcagcg	cctccacagg	gtttcggac	1860
atgacagcaa	cctttctcc	caggacaatt	gaaatttgct	aaagggaaag	gggaaagaaaa	1920
gggaaaaggg	agaaaaagaa	acacaagaga	cttaaaggac	aggaggagga	gatggccata	1980
ggagaggagg	gttccttta	ggtcagatgg	aggttctcag	agccaagtcc	tccctctcta	2040
ctggagtgga	aggcttattt	gccaacaatc	ctttctgccc	acttcccctt	ccccaaattac	2100
tattcccttt	gacttcagct	gcctgaaaca	gccatgtcca	agttcttcac	ctctatccaa	2160
agaacttgat	ttgcatggat	tttggataaa	tcatttcagt	atcatctcca	tcatatgcct	2220
gacccttgc	tcccttcaat	gctagaaaat	cgagttggca	aaatggggtt	tggccccc	2280
agagccctgc	cctgcaccc	tgtacagtgt	ctgtgccatg	gatttcgttt	ttcttggggt	2340
actcttgatg	tgaagataat	ttgcatattc	tattgtatta	tttggagttt	ggtcctca	2400
tggggaaaaa	aaaaaaaaaa	aagccaagca	aaccaatgg	gatcctctat	tttgtatga	2460
tgctgtgaca	ataagttga	acctttttt	ttgaaacagc	agtcccagta	ttctcagagc	2520
atgtgtcaga	gtgttgttcc	gttaaccttt	ttgtaaatac	tgcttgaccg	tactctcaca	2580
tgtggcaaaa	tatggttgg	tttttctttt	tttttttga	aagtgttttt	tcttcgtcct	2640
tttggtttaa	aaagtttac	gtcttggtgc	cttttgtgt	atgcccctt	ctgatggc	2700
gacatgtgca	attgtgaggg	acatgctcac	ctctagcc	aagggggca	gggagtgtat	2760
atttggggga	ggctttggga	gcaaaataag	gaagagggt	gagctgagct	tcggttctcc	2820
agaatgtaa	aaaacaaaaat	ctaaaacaaa	atctgaactc	tcaaaaagtct	attttttaa	2880
ctgaaaatgt	aaatttataa	atatattcag	gagttggaat	gttgtatgtt	cctactgagt	2940
aggcggcgat	ttttgtatgt	tatgaacatg	cagttcatta	ttttgtgggtt	ctatttact	3000
ttgtacttgt	gtttgcttaa	acaaagtgac	tgtttggctt	ataaaacacat	tgaatgcgct	3060
ttattgcccc	tgggatatgt	ggtgtatatc	cttccaaaaa	attaaaacga	aaataaaagta	3120
gctgcgattt	gg					3132

ATKINS1(BLAJ)\_ST25.txt

<211> 15  
<212> DNA  
<213> Artificial

<220>  
<223> synthetic

<220>  
<221> misc\_feature  
<223> Catalytic domain of DNAzyme

<400> 2  
ggctagctac aacga

15

<210> 3  
<211> 33  
<212> DNA  
<213> Artificial

<220>  
<223> synthetic

<220>  
<221> misc\_feature  
<223> DNAzyme

<400> 3  
cagggacag gctagctaca acgacgttgc ggg

33

<210> 4  
<211> 33  
<212> DNA  
<213> Artificial

<220>  
<223> synthetic

<220>  
<221> misc\_feature  
<223> DNAzyme

<400> 4  
tgcagggag gctagctaca acgaaccgtt gcg

33

<210> 5  
<211> 33  
<212> DNA  
<213> Artificial

<220>  
<223> synthetic

<220>  
<221> misc\_feature  
<223> DNAzyme

<400> 5  
catcctggag gctagctaca acgagagcag gct

33

<210> 6

ATKINS1(BLAJ)\_ST25.txt

<211> 33  
<212> DNA  
<213> Artificial

<220>  
<223> synthetic

<220>  
<221> misc\_feature  
<223> DNAzyme

<400> 6  
ccgcggccag gctagctaca acgacacctgga cga

33

<210> 7  
<211> 33  
<212> DNA  
<213> Artificial

<220>  
<223> synthetic

<220>  
<221> misc\_feature  
<223> DNAzyme

<400> 7  
ccgctgccag gctagctaca acgaccggaa cgt

33

<210> 8  
<211> 33  
<212> DNA  
<213> Artificial

<220>  
<223> synthetic

<220>  
<221> misc\_feature  
<223> DNAzyme

<400> 8  
gcggggacag gctagctaca acgacagctg cat

33

<210> 9  
<211> 33  
<212> DNA  
<213> Artificial

<220>  
<223> synthetic

<220>  
<221> misc\_feature  
<223> DNAzyme

<400> 9  
cagcggggag gctagctaca acgaatcagc tgc

33

<210> 10

ATKINS1(BLAJ)\_ST25.txt

<211> 33  
<212> DNA  
<213> Artificial

<220>  
<223> synthetic

<220>  
<221> misc\_feature  
<223> DNAzyme

<400> 10 qgtcaqagaq gctaqctaca acgactgcaq cgg 33

<210> 11  
<211> 3068  
<212> DNA  
<213> Mus musculus

<400> 11  
ggggagccgc cgccgcgatt cgccgccc gccagttcc gccgccc gatcgcccc 60  
tgccccagcc tccgcggcag ccctgcgtcc accacggcc gcggctaccg ccagccctggg 120  
ggccccaccta cactccccgc agtgtgcccc tgcaccccg atgtaacccg gccaaccccc 180  
ggcgagtgta ccctcagtag cttcgcccc gggctgcgcc caccacccaa catcagttct 240  
ccagctcgct ggtccggat ggcagcggcc aaggccgaga tgcaattgat gtctccgctg 300  
cagatctctg acccgttcgg ctcccttcct cactcacccca ccatggacaa ctaccccaa 360  
ctggaggaga ttagtgcgtct gagcaacggg gctcccgagt tcctcggtgc tgccggaaacc 420  
ccagaggga gcgccggtaa tagcagcagc agcaccagca gcggggggcgg tggtggggc 480  
ggcagcaaca gcggcagcag cgccctcaat cctcaagggg agccgagcga acaaccctat 540  
gagcacctga ccacagagtc ctttctgac atcgctctga ataatgagaa ggcatggtg 600  
gagacgagtt atcccagcca aacgactcgg ttgcctccca tcacctatac tggccgcttc 660  
tccctggagc ccgcacccaa cagtgcaac actttgtggc ctgaacccct tttcagccta 720  
gtcagtggcc tcgtgagcat gaccaatcct ccgacccttt catcctcgcc gccttctcca 780  
gctgcttcat cgtcttcctc tgcctccag agccgcggcc tgagctgtgc cgtccgtcc 840  
aacgacagca gtcccatcta ctcggctgca cccaccttcc ctactcccaa cactgacatt 900  
tttcctgagc cccaaagcca ggccttcct ggctcgccag gcacagcctt gcagtacccg 960  
cctcctgcct accctgccac caaagggttgt ttccaggttc ccatgatccc tgactatctg 1020  
tttccacaac aacaggggaga cctgagcctg ggcaccccg accagaagcc cttccagggt 1080  
ctggagaacc gtacccagca gccttcgtc actccactat ccactattaa agccttcgccc 1140  
actcagtcgg gctcccgagga cttaaaggct cttaatacca cctaccaatc ccagctcatc 1200  
aaacccagcc gcatgcgcaa gtaccccaac cggcccgac agacaccccc ccatgaacgc 1260  
ccatatgcctt gccctgtcga gtcctgcgtat cgccgcttt ctcgtcgga tgagcttacc 1320  
cgccatatcc gcatcccacac aggccagaag cccttcctggat gtcgaatctg catgcgtaaac 1380

ATKINS1(BLAJ)\_ST25.txt

ttcagtcgta	gtgaccacct	taccacccac	atccgcaccc	acacaggcga	gaagcctttt	1440	
gcctgtgaca	tttgtggag	gaagttgcc	aggagtatg	aacgcaagag	gcataccaaa	1500	
atccattaa	gacagaagga	caagaaagca	gacaaaagt	tggtggcctc	cccggctgcc	1560	
tcttcactct	cttcttaccc	atccccagt	gctacccct	acccatcccc	tgccaccacc	1620	
tcattccat	ccccgtgcc	cacccctac	tcctctcctg	gctcctccac	ctaccatct	1680	
cctgcgcaca	gtggctccc	gtcgccgtca	gtggccacca	cctttgcctc	cgttccacct	1740	
gctttccca	cccaggtcag	cagttcccg	tctgcggcgc	tcagcagctc	cttcagcacc	1800	
tcaactggtc	tttcagacat	gacagcgacc	ttttctcca	ggacaattga	aatttgctaa	1860	
agggaaataaa	agaaagcaaa	gggagaggca	ggaaagacat	aaaagcacag	gagggaaagag	1920	
atggccgcaa	gaggggcccac	ctcttaggtc	agatggaaga	tctcagagcc	aagtccttct	1980	
actcacgagt	agaaggaccg	ttggccaaca	gccctttcac	ttaccatccc	tgccctcccc	2040	
gtcctgttcc	ctttagttc	agctgcctga	aacagccatg	tccaaagtct	tcacctctat	2100	
ccaaaggact	tgatttgc	cat ggtattggat	aatcatttc	agtatcctct	ccatcacatg	2160	
cctggccctt	gctcccttca	gcgctagacc	atcaagttgg	cataaagaaa	aaaaaaatggg	2220	
tttggccct	cagaaccctg	ccctgc	cat tct	ttgtacagca	tctgtgccat	2280	
ttcctgggg	tattcttgat	gtgaagataa	tttgcatact	ctattgtatt	atttggagtt	2340	
aaatcctcac	tttgggggag	ggggagcaa	agccaagcaa	accaatgatg	atcccttatt	2400	
ttgtgatgac	tctgctgtga	cattagg	ttt	gaagcatttt	tttttcaag	2460	
aggattaaac	tggagcatgt	gtcagagt	gttccgtt	atttgtaaa	tactggctcg	2520	
actgttaactc	tcacatgtga	caaagtatgg	tttgggggt	ttgggtttgt	ttttgagaat	2580	
tttttgccc	gtccctttgg	tttcaaaagt	ttcacgtctt	ggtgcccttt	gtgtgacacg	2640	
ccttccgatg	gcttgacatg	cgcagatgt	agggacacgc	tcaccttagc	cttaaggggg	2700	
taggagtat	gtgttgggg	aggcttgaga	gcaaaaacga	ggaagaggc	tgagctgagc	2760	
tttcggctc	cagaatgtaa	gaagaaaaaa	tttaaacaaa	aatctgaact	ctcaaaagtc	2820	
tat	tttctta	aactgaaaat	gtaaatttat	acatctattc	aggagttgg	2880	
tacctactga	gtaggctgca	gttttgtat	gttatgaaca	tgaagttcat	tat	2940	
ttttat	tttgcactt	gtgttgc	ttt	aaacaaagta	acctgtttgg	cttataaaca	3000
cattgaatgc	gctctattgc	ccatggata	tgtgggtgt	atccttcaga	aaaattaaaa	3060	
ggaaaaat						3068	

<210> 12  
<211> 4321  
<212> DNA  
<213> Rattus rattus

<400> 12  
ccgcggagcc tcagctctac gcgcctggcg ccctccctac gcggggcgtcc ccgactcccg 60  
cgcgcgttca ggctccgggt tggaaaccaa ggagggggag ggtgggtgcg ccgaccccgaa 120  
Page 6

ATKINS1(BLAJ)\_ST25.txt

aacaccatat	aaggagcagg	aaggatcccc	cggcgaaca	gactttattt	gggcagcgcc	180
ttatatggag	tggcccaata	tggccctgcc	gcttccggct	ctgggaggag	gggcgaacgg	240
gggttggggc	gggggcaagc	tgggaactcc	aggagcctag	cccgggaggg	caactgcccgt	300
gttccaatac	taggcttcc	aggagcctga	gcgcctcaggg	tgccggagcc	ggtcgcaggg	360
tggaagcgcc	caccgcttctt	ggatgggagg	tcttcacgtc	actccgggtc	ctcccggtcg	420
gtccttccat	attagggctt	cctgcttccc	atatatggcc	atgtacgtca	cggcggaggc	480
gggcccgtgc	tgttcagac	ccttcaaata	gaggccgatt	cggggagtgc	cgagagatcc	540
cagcgcgcag	aacttgggga	gccgcccgg	cgattcgccg	ccgcccggcag	cttccgcccgc	600
cgcaagatcg	gcccctgccc	cagcctccgc	ggcagccctg	cgtccaccac	gggcccggcgc	660
caccggccagc	ctgggggccc	acctacactc	cccgcagtgt	gccccctgcac	cccgcacatgt	720
acccggccaa	catccggcga	gtgtgccctc	agtagcttcg	gccccgggct	gcccacacca	780
cccaacatca	gctctccagc	tcgcacgtcc	gggatggcag	cggccaaggc	cgagatgcaa	840
ttgatgtctc	cgctgcagat	ctctgaccgg	ttcggctcct	ttcctcactc	acccaccatg	900
gacaactacc	ccaaacttgg	ggagatgtat	ctgctgagca	acggggctcc	ccagttcctc	960
ggtgctgccc	gaaccccaga	gggcagcgcc	ggcaataaca	gcagcagcag	cagcagcagc	1020
agcagcgggg	gcggtggtgg	gggcggcagc	aacagcggca	gcagcgttt	caatcctcaa	1080
ggggagccga	gcgaacaacc	ctacgagcac	ctgaccacag	gtaagcggtg	gtctgcggcg	1140
aggctgaatc	ccccttcgt	actaccctaa	cgtccagtcc	tttgcagcac	ggacctgcat	1200
ctagatctta	gggacgggat	tgggatttcc	ctctattcca	cacagctcca	gggacttgt	1260
tttagagggat	gtctggggac	cccccaaccc	tccatccttgc	cgggtgcgcg	gagggcagac	1320
cgtttgttt	ggatggagaa	ctcaagttgc	gtgggtggct	ggagtggggg	agggtttgtt	1380
ttgatgagca	gggttgcccc	ctcccccgcg	cgcgttgcg	cgagccttgt	ttgcagcttg	1440
ttcccaagga	agggctgaaa	tctgtcacca	gggatgtccc	gccgcccagg	gtaggggcgc	1500
gcattagctg	tggccactag	ggtgctggcg	ggattccctc	accccggacg	cctgctgcgg	1560
agcgctctca	gagctgcagt	agagggggat	tctctgtttgc	cgtcagctgt	cgaaatggct	1620
ctgccactgg	agcaggtcca	ggaacattgc	aatctgctgc	tatcaatttat	taaccacatc	1680
gagagtca	ggtagccgg	cgacctttgc	cctggccgct	tcggctctca	tcgtccagtg	1740
attgctctcc	agtaaccagg	cctctctgtt	ctctttcctg	ccagagtctt	tttctgacat	1800
cgctctgaat	aacgagaagg	cgctggtgga	gacaagttat	cccagccaaa	ctaccgggtt	1860
gcctcccatc	acctataactg	gccgcttctc	cctggagcct	gcacccaaca	gtggcaacac	1920
tttgtggcct	gaaccccttt	tcagcctagt	cagtggcctt	gtgagcatga	ccaaccctcc	1980
aacctttca	tcctcagcgc	cttctccagc	tgcttcatcg	tcttcctctg	cctcccagag	2040
cccacccctg	agctgtgccg	tgccgtccaa	cgacagcagt	cccatttact	cagctgcacc	2100
caccccttcc	actcccaaca	ctgacatttt	tcctgagccc	caaagccagg	ccttcctgg	2160

ATKINS1(BLAJ)\_ST25.txt

ctctgcaggc acagccttgc agtacccgcc tcctgcctac cctgccacca agggtggttt	2220
ccaggttccc atgatccctg actatctgtt tccacaacaa cagggagacc tgagcctggg	2280
caccccgac cagaagccct tccagggtct ggagaaccgt acccagcagc cttcgctcac	2340
tccactatcc actatcaaag cttcgccac tcagtcggc tcccaggact taaaggctct	2400
taataaacacc taccagtccc aactcatcaa acccagccgc atgcgcaagt accccaaccg	2460
gcccagcaag acacccccc atgaacgccc gtatgcttgc cctgttgagt cctgcgatcg	2520
ccgctttct cgctcgatg agcttacacg ccacatccgc atccatacag gccagaagcc	2580
cttccagtgt cgaatctgca tgcgttaattt cagtcgtagt gaccacctta ccacccacat	2640
ccgcacccac acaggcgaga agcctttgc ctgtgacatt tgtggagaa agtttgccag	2700
gagtgtgaa cgcaagaggc atacaaaaat ccacttaaga cagaaggaca agaaaggcaga	2760
caaaaagtgtc gtggcctcct cagctgcctc ttccctctct tcctacccat ccccagtggc	2820
tacctcctac ccatccccg ccaccacctc atttccatcc ccagtgccta cctcttactc	2880
ctctccggc tcctctacct acccgctctcc tgcacacagt ggcttccat cgccctcggt	2940
ggccaccacc tatgcctccg tcccacctgc tttccctgcc caggtcagca cttccagtc	3000
tgcaagggtc agcaactcct tcagcacctc aacgggtctt tcagacatga cagcaacctt	3060
ttctcctagg acaattgaaa tttgctaaag ggaatgaaag agagcaaagg gaggggagcg	3120
cgagagacaa taaaggacag gaggaagaa atggccgca agaggggctg cctcttaggt	3180
cagatggaag atctcagac caagtccttc tagtcagtag aaggcccgtt ggccaccagc	3240
ccttcactt agcgtccctg ccctccccag tcccggcctt tttgacttca gctgcctgaa	3300
acagccacgt ccaagttctt caccctatac caaaggactt gatttgcatt gtattggata	3360
aaccattca gcatcatctc caccacatgc ctggcccttg ctccctttag cactagaaca	3420
tcaagttggc tgaaaaaaaaaatgggtctg ggccctcaga accctgcctt gtatctttgt	3480
acagcatctg tgccatggat tttgtttcc ttgggttatt cttgatgtga agataatttg	3540
catactctat tgtactatTTT ggagttaaat tctcactttg ggggaggggg agcaaagcca	3600
agcaaaccaa tggtgatcct ctatTTTgt atgatcctgc tgtgacatta gtttgaaac	3660
tttttttttt ttttgaagca gcagtcctag gtatTAactg gagcatgtgt cagagtgttgc	3720
ttccgttaat tttgtaataa ctgctcgact gtaactctca catgtgacaa aatacggttt	3780
gtttgggtgg gttttttgtt gttttgaaa aaaaaatttt tttttgccc gtccctttgg	3840
tttcaaaagt ttacgtctt ggtgccttgc tgtgacacac ctggccatg gctggacatg	3900
tgcaatcgtg aggggacacg ctcacctcta gccttaaggg gtaggaggt atgtttcagg	3960
ggaggcttta gaggcacatg aggaagaggg ctgagctgag ctttgggtct ccagaatgt	4020
agaagaaaaa tttaaaacaa aaatctgaac tctcaaaagt ctatTTTTT aactgaaaat	4080
gttagatttat ccatgttcgg gagttggaat gctgcggta cctactgagt aggccgtgac	4140
ttttgtatgc tatgaacatg aagttcatta ttttgggtt ttatTTTact tcgtacttgt	4200

ATKINS1(BLAJ)\_ST25.txt

gtttgcttaa acaaagtgac ttgttgttgc tataaacaca ttgaatgcgc tttactgccc	4260
atggatatg tggtgttat ctttcagaaa aattaaaagg aaaataaaga aactaactgg	4320
t	4321
<210> 13	
<211> 19	
<212> RNA	
<213> Rattus rattus	
<400> 13	
acguccggga uggcagcgg	19
<210> 14	
<211> 19	
<212> RNA	
<213> Homo sapiens	
<400> 14	
ucguccagga uggccgcgg	19
<210> 15	
<211> 34	
<212> DNA	
<213> Artificial	
<220>	
<223> synthetic	
<220>	
<221> misc_feature	
<223> DNAzyme	
<220>	
<221> misc_feature	
<222> (33)..(34)	
<223> 3'-3-linked T	
<400> 15	
caggggacag gctagctaca acgacgttgc gggt	34
<210> 16	
<211> 34	
<212> DNA	
<213> Artificial	
<220>	
<223> synthetic	
<220>	
<221> misc_feature	
<223> DNAzyme	
<220>	
<221> misc_feature	
<222> (33)..(34)	
<223> 3'-3-linked T	
<400> 16	
tgcaggggag gctagctaca acgaaccgtt gcgt	34

ATKINS1(BLAJ)\_ST25.txt

<210> 17  
<211> 34  
<212> DNA  
<213> Artificial  
  
<220>  
<221> misc\_feature  
<223> DNAzyme  
  
<220>  
<221> misc\_feature  
<222> (33)..(34)  
<223> 3'-3-linked T  
  
<400> 17  
catcctggag gctagctaca acgagagcag gctt 34  
  
<210> 18  
<211> 34  
<212> DNA  
<213> Artificial  
  
<220>  
<221> synthetic  
  
<220>  
<221> misc\_feature  
<223> DNAzyme  
  
<220>  
<221> misc\_feature  
<222> (33)..(34)  
<223> 3'-3-linked T  
  
<400> 18  
tcagctgcag gctagctaca acgactcgcc cttt 34  
  
<210> 19  
<211> 34  
<212> DNA  
<213> Artificial  
  
<220>  
<221> synthetic  
  
<220>  
<221> misc\_feature  
<223> DNAzyme  
  
<220>  
<221> misc\_feature  
<222> (33)..(34)  
<223> 3'-3-linked T  
  
<400> 19  
gcggggacag gctagctaca acgacagctg catt 34

ATKINS1(BLAJ)\_ST25.txt

<210>	20	
<211>	15	
<212>	DNA	
<213>	Rattus rattus	
<400>	20	
	cttggccgct gccat	15
<210>	21	
<211>	22	
<212>	RNA	
<213>	Synthetic Rat	
<400>	21	
	gcacguccgg auggcagcg cc	22
<210>	22	
<211>	34	
<212>	DNA	
<213>	Synthetic Rat	
<400>	22	
	ccgctgccag gctagctaca acgacccgga cgtt	34
<210>	23	
<211>	34	
<212>	DNA	
<213>	Synthetic Rat	
<400>	23	
	gccagccgca gctagctaca acgtatggctc cact	34